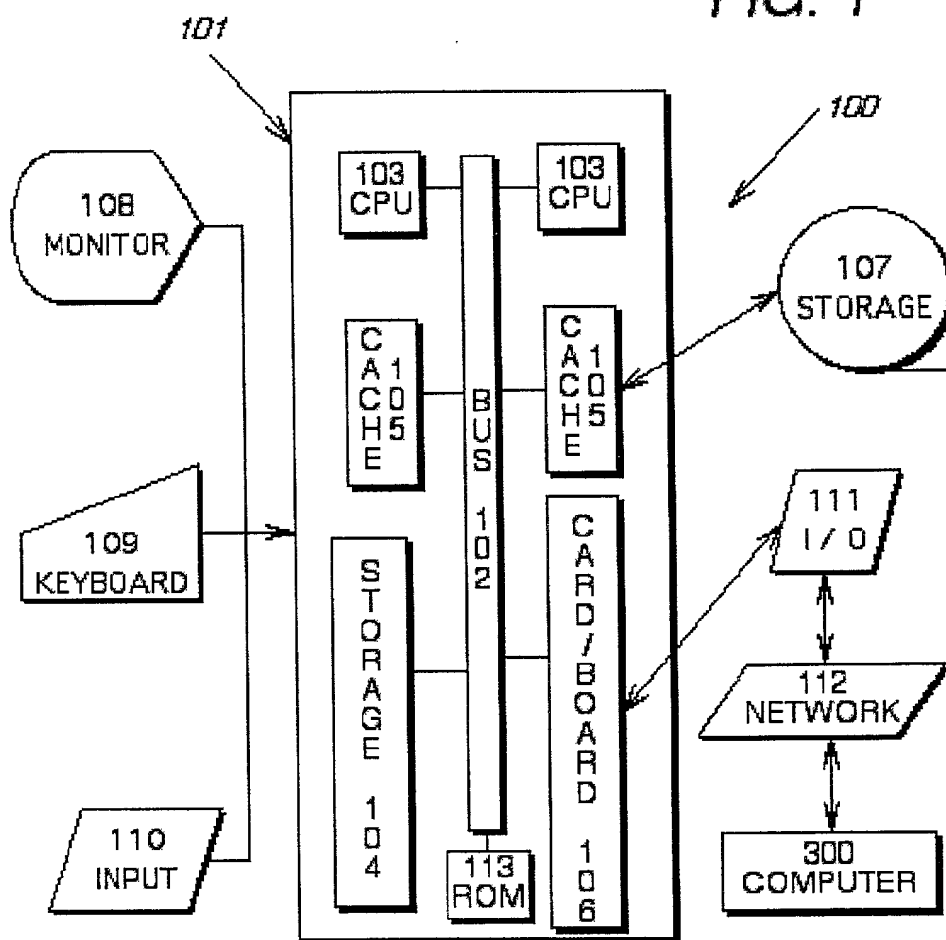


FIG. 1



200 INPUT A RECURSIVE  
INSTRUCTION SEQUENCE

FIG. 2

201 EXECUTE THE SEQUENCE FROM ITS ENTRY  
POINT TO ITS EXIT POINT AND SAVE ALL  
PARAMETER VALUES FOR A FIRST ITERATION

202 RETURN TO THE SEQUENCE ENTRY POINT

203 EXECUTE THE NEXT INSTRUCTION

204 DID THE  
PARAMETER  
VALUE CHANGE?

NO

206 SEQUENCE  
EXIT POINT  
REACHED n?

NO

YES

205 FLAG THE  
CURRENT INSTRUCTION

207 GROUP FLAGGED  
INSTRUCTIONS AS ONE  
OR MORE SEGMENTS

208 INSERT ONE OR MORE RECURSIVE ENTRY AND/OR  
EXIT POINTS TO RUN EACH SEGMENT ONLY ONCE DURING  
RECURSIVE EXECUTION OF THE INSTRUCTION SEQUENCE

END

FIG. 3

